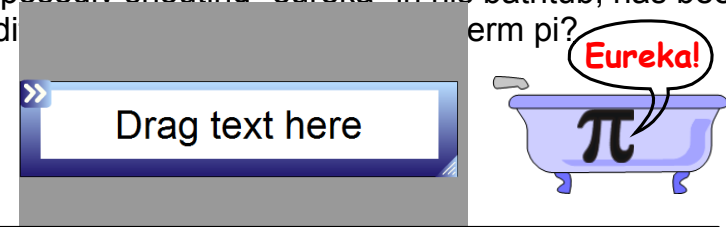


Which Greek mathematician, more famous for supposedly shouting "eureka" in his bathtub, has been credited with the term pi?



Drag the correct answer to the box above...

Aristotle

Newton

Archimedes

Plato

Euclid

Einstein

Obama

How fast can you complete the

jigsaw  
puzzle

Press here

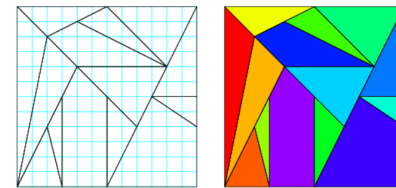
Rome attacked Syracuse during the Second Punic War. Archimedes' military inventions helped hold off the might of Rome for 2 years or so. After the Romans finally broke into the city, a Roman soldier killed Archimedes according to historical accounts. The Roman military leaders were hoping to capture him alive to gain access to his talents. Archimedes was deeply concerned with advancing mathematical knowledge, and he used methods very similar to those employed now in calculus.

The End of the Story


resources

**Stomachion** - more from Archimedes!

This is a Greek puzzle similar to Tangram. In this scroll, Archimedes calculates the areas of the various pieces. This may be the first reference we have to this game. Recent discoveries indicate that Archimedes was attempting to determine how many ways the strips of paper could be assembled into the shape of a square. This is possibly the first use of **combinatorics** to solve a problem.



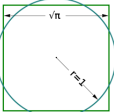
<http://mathworld.wolfram.com/Stomachion.html>



**Indiana • U.S.A.**

In 1897, Indiana physician and amateur mathematician Edwin J. Goodwin (1825 - 1902) believed that he had discovered a correct way of squaring the circle and therefore finding a value for  $\pi$ . He proposed a bill (Bill # 247) to Indiana Representative Taylor I. Record, which Record introduced in the House under the long title "A Bill for an act introducing a new mathematical truth and offered as a contribution to education to be used only by the State of Indiana free of cost by paying any royalties whatever on the same, provided it is accepted and adopted by the official action of the Legislature of 1897".

What was Dr. Goodwin's value for  $\pi$ ?

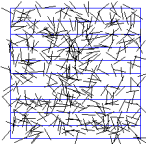


The expression "squaring the circle" is sometimes used as a metaphor for doing something logically or intuitively impossible.

[http://en.wikipedia.org/wiki/Indiana\\_Pi\\_Bill](http://en.wikipedia.org/wiki/Indiana_Pi_Bill)

Press here for an  
**Interesting Math Fact**

## Estimate pi using Buffon's Needle



Go to...

<http://mste.illinois.edu/reese/buffon/buffjava.html>

or

<http://www.ms.uky.edu/~mai/java/stat/buff.html>


More Resources...

<http://mathworld.wolfram.com/BufonsNeedleProblem.html>

What is Buffon's Needle?

There are an infinite number of digits in pi and because the pattern of digits never repeats, pi is

## IRRATIONAL



And because of this, you just might be able to locate your birthday in the digits, but you might need some help finding it and this website will be just what you need ...


i.e. if your birthday is Feb 8, 2000, look for 020800!

<http://www.facade.com/legacy/amiinpi/>

How old are you in  $\pi$  years? ( $\approx$ every 3.14156 years = 1  $\pi$  year)

<http://pidays.jtey.com/>

3.14159 Crossword Puzzle



Attachments

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Archimedes Jigsaw Puzzle